

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100133.D
 Acq On : 3 Nov 2017 14:40
 Operator : SJ/JU
 Sample : I6258-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 15:46:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	86348	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	362355	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	176122	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	320966	20.00	ng	0.00
75) Chrysene-d12	13.95	240	218685	20.00	ng	0.00
86) Perylene-d12	15.41	264	152736	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	648214	117.86	ng	0.00
7) Phenol-d6	6.42	99	782862	120.04	ng	0.00
23) Nitrobenzene-d5	7.34	82	444592	78.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	184227	114.78	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	868362	76.07	ng	0.00
78) Terphenyl-d14	12.88	244	759460	75.89	ng	0.00

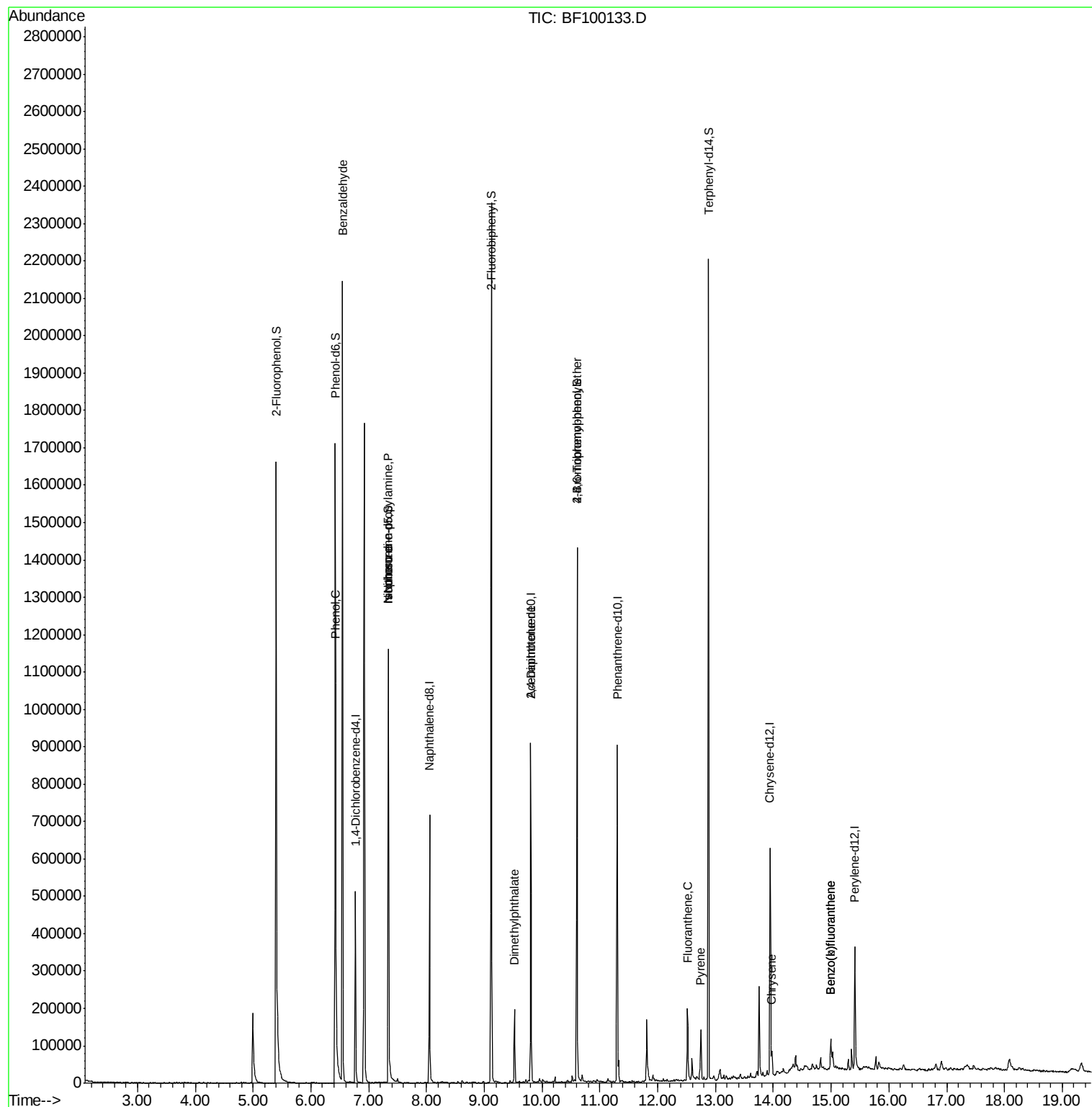
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.55	77	11316	2.904	ng	87
10) Phenol	6.43	94	40240	5.620	ng	93
19) n-Nitroso-di-n-propylamine	7.34	70	55459	14.512	ng	# 72
25) Isophorone	7.34	82	444586	43.531	ng	# 64
49) Dimethylphthalate	9.52	163	80082	5.742	ng	99
56) 2,4-Dinitrotoluene	9.80	165	22422	6.350	ng	# 22
66) 4-Bromophenyl-phenylether	10.60	248	11907	3.524	ng	# 1
74) Fluoranthene	12.52	202	72763	3.865	ng	98
77) Pyrene	12.74	202	58525	3.520	ng	96
82) Chrysene	13.98	228	28244	2.167	ng	97
87) Benzo(b)fluoranthene	15.00	252	37858	3.925	ng	# 91
88) Benzo(k)fluoranthene	15.00	252	37858	4.163	ng	# 93

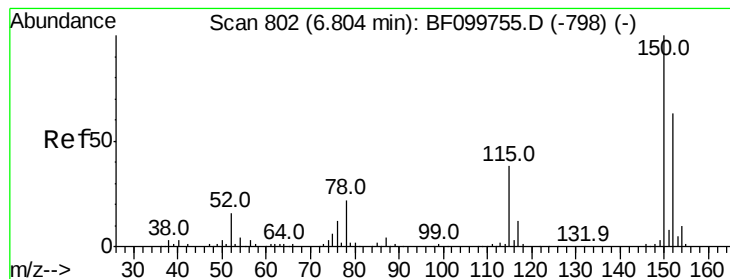
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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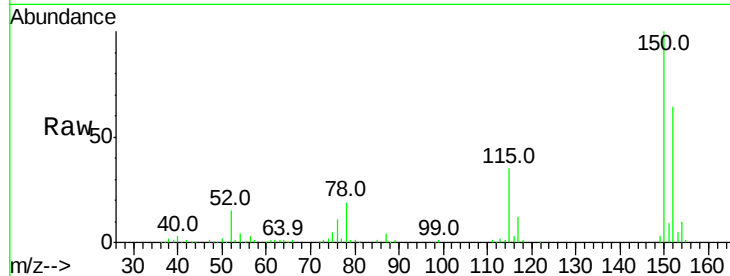


#1

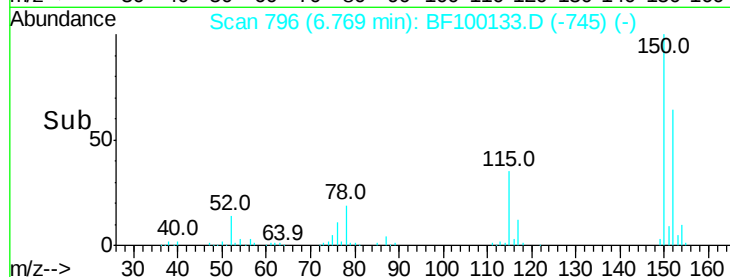
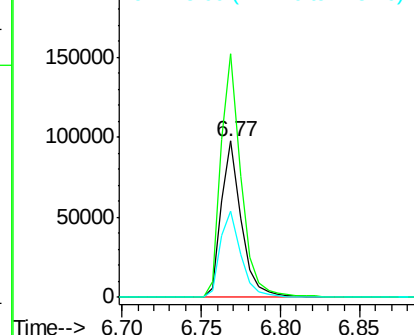
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86348
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 55.3 50.1 75.1



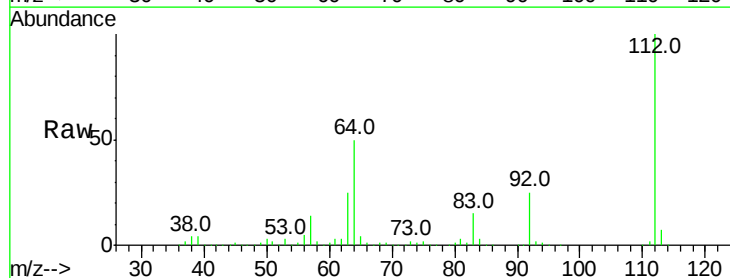
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



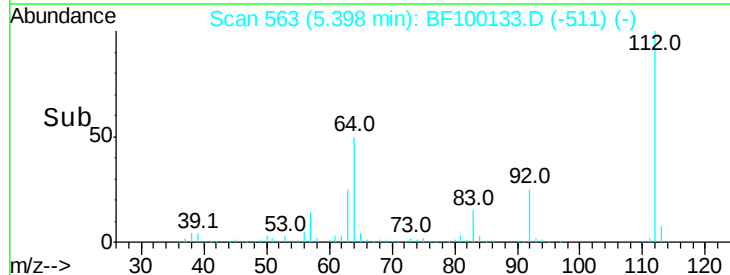
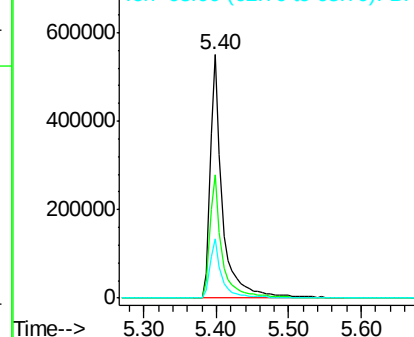
#5

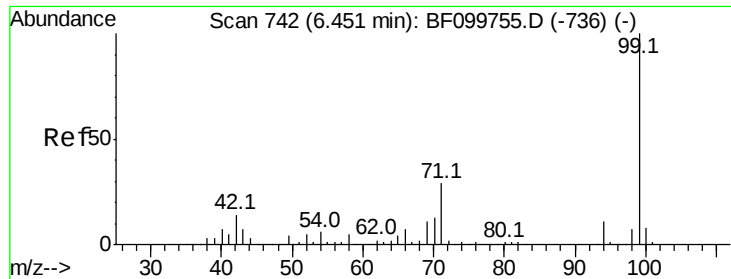
2-Fluorophenol
Concen: 117.857 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

Tgt Ion:112 Resp: 648214
Ion Ratio Lower Upper
112 100
64 50.4 47.9 71.9
63 24.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 120.044 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

Instrument :

BNA_F

ClientSampleId :

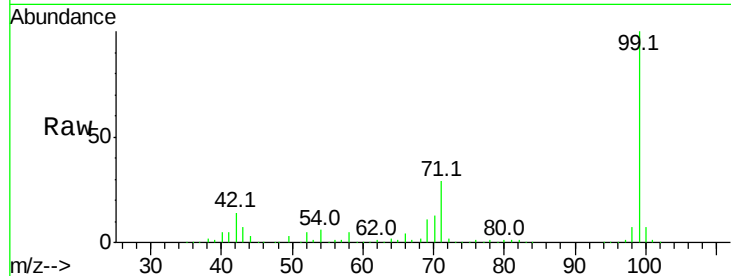
Tot Ion: 99 Resp: 782862

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

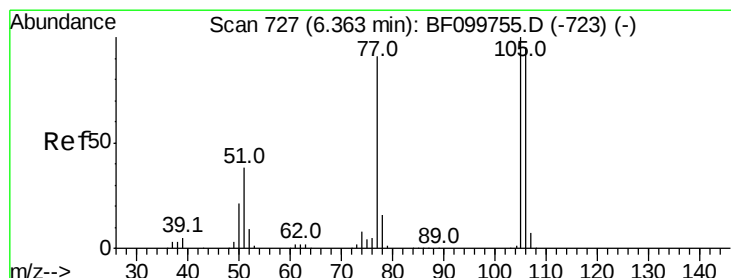
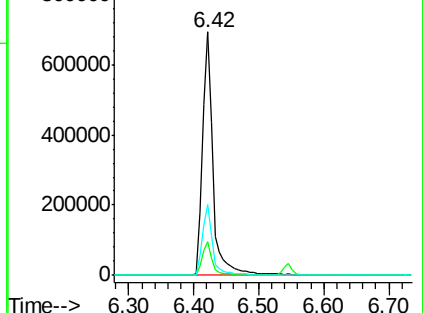
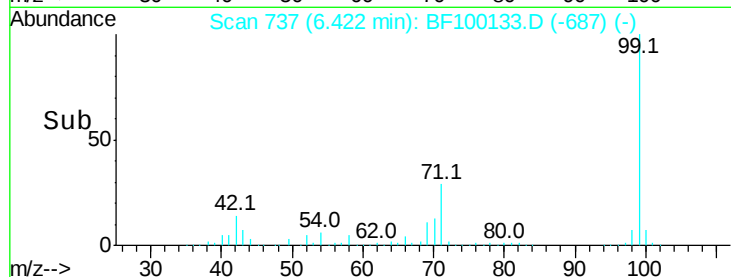
71 29.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.904 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.21 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

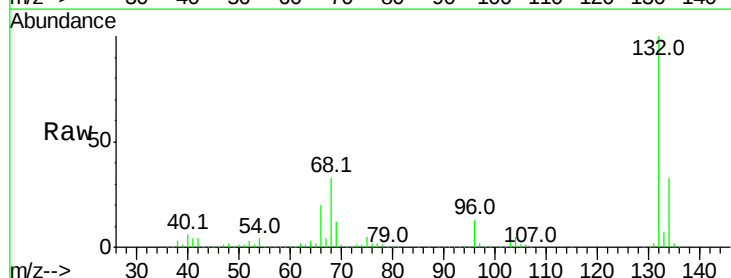
Tgt Ion: 77 Resp: 11316

Ion Ratio Lower Upper

77 100

105 86.0 81.1 121.1

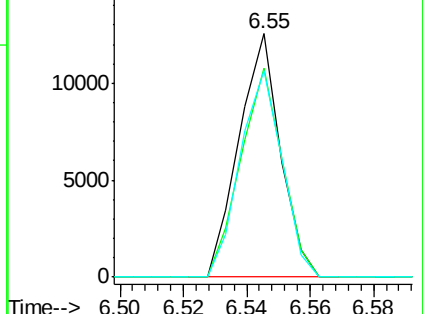
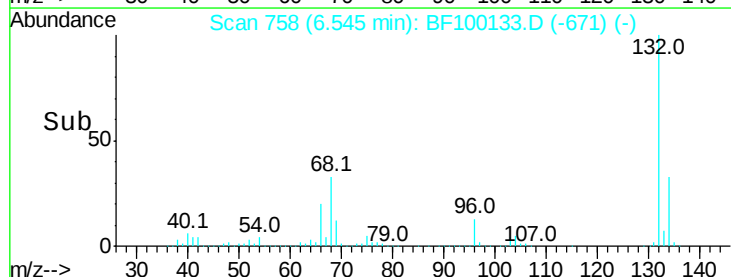
106 84.7 74.5 114.5

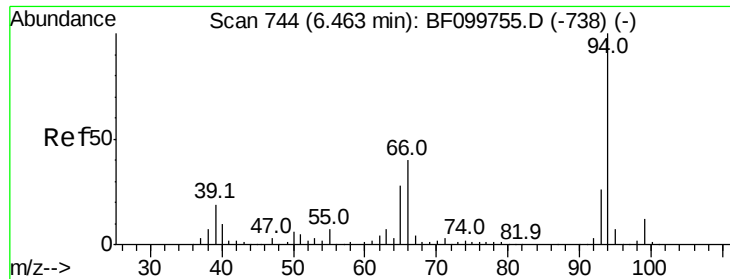


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 5.620 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

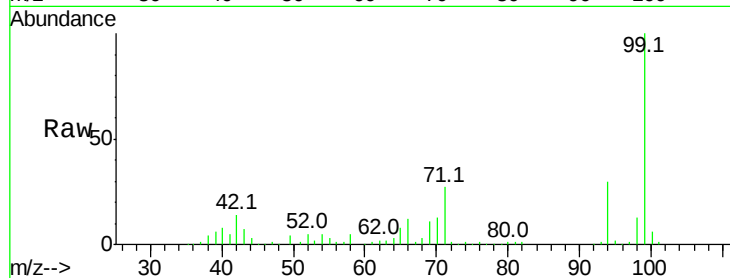
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 40240

Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.9	47.9
66	41.6	16.2	56.2



Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

200000

150000

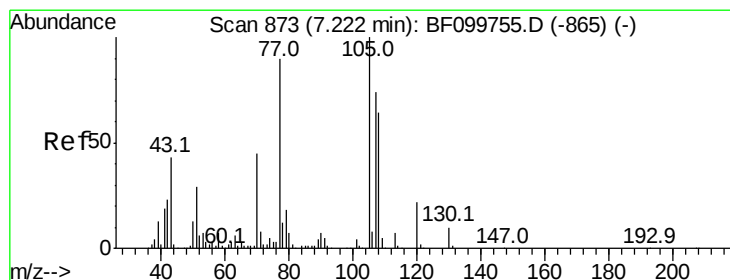
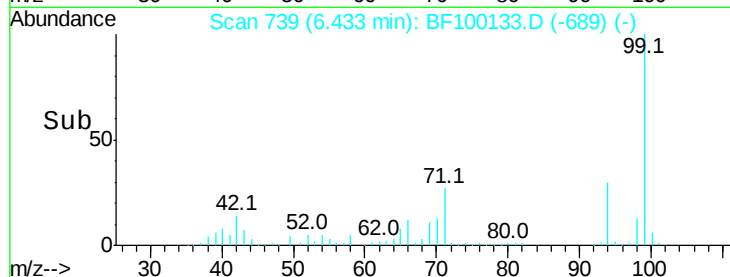
100000

50000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.512 ng

RT: 7.34 min Scan# 893

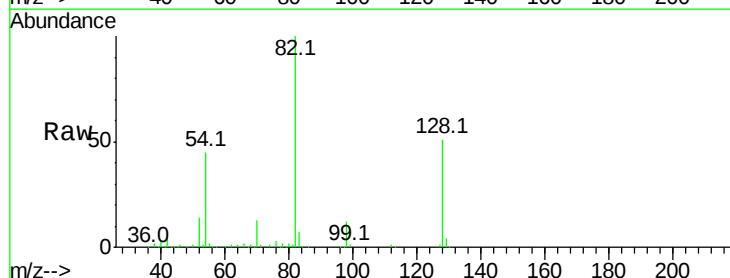
Delta R.T. 0.15 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

Tgt Ion: 70 Resp: 55459

Ion	Ratio	Lower	Upper
70	100		
42	40.6	47.5	71.3#
101	0.0	7.4	11.2#
130	3.1	16.6	25.0#



Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

80000

60000

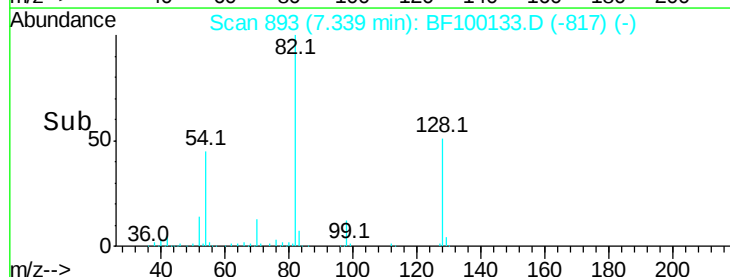
40000

20000

0

7.30 7.35 7.40 7.45

Time-->

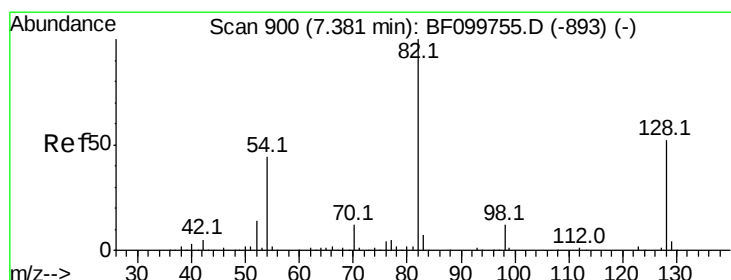
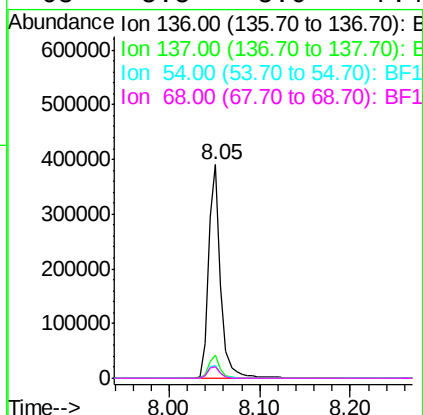
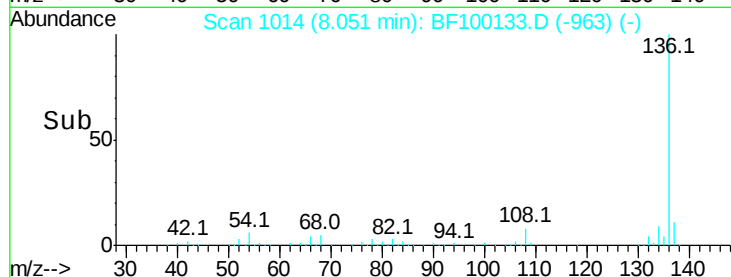
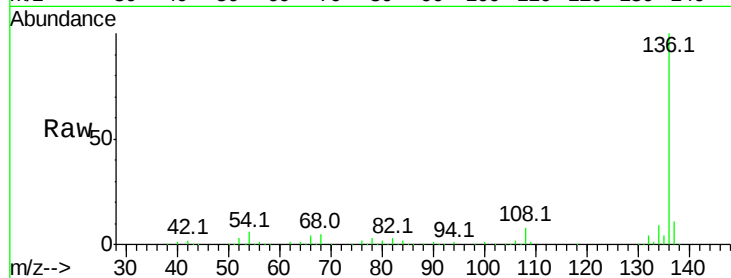




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

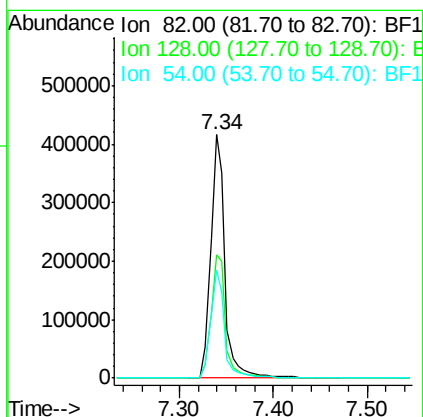
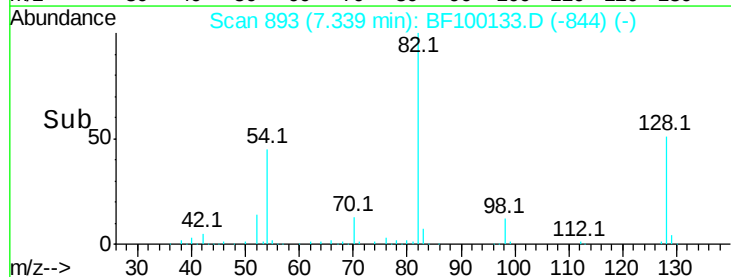
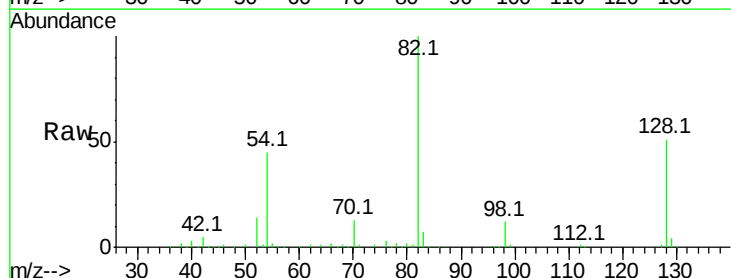
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	362355
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.2	6.6	9.8#
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 78.992 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

Tgt Ion:	82	Resp:	444592
Ion	Ratio	Lower	Upper
82	100		
128	50.6	36.1	54.1
54	44.6	41.4	62.2





#25

Isophorone

Concen: 43.531 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

Instrument :

BNA_F

ClientSampleId :

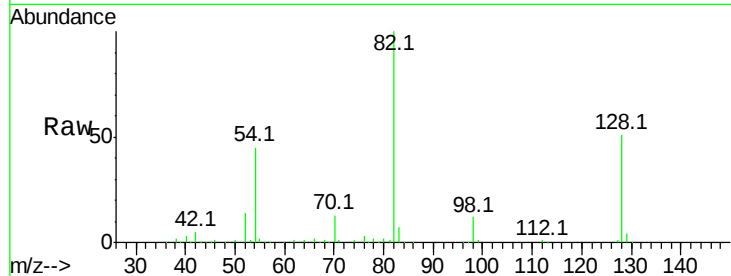
Tot Ion: 82 Resp: 444586

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

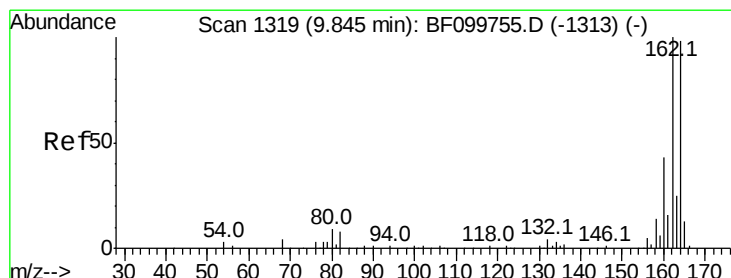
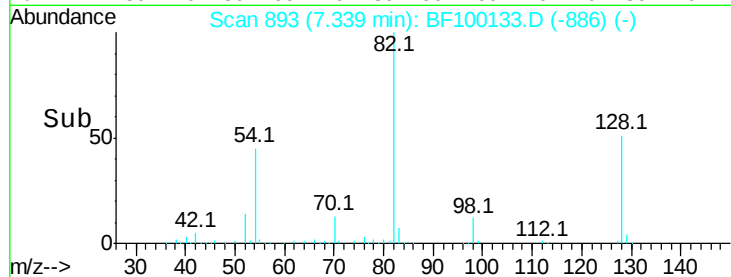
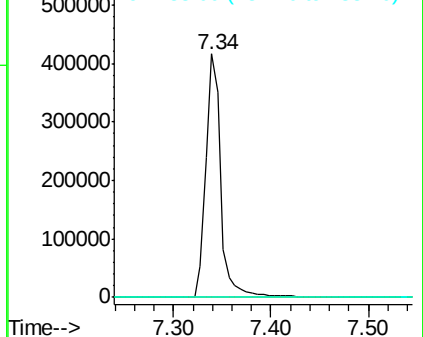
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

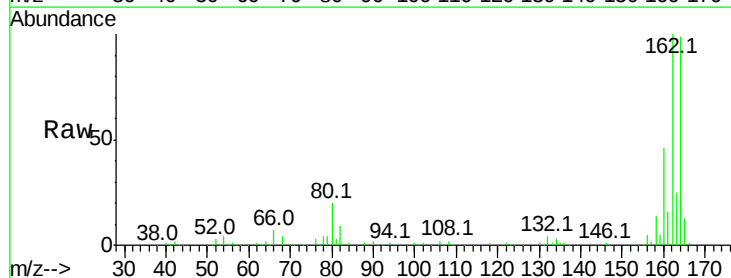
Tgt Ion:164 Resp: 176122

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

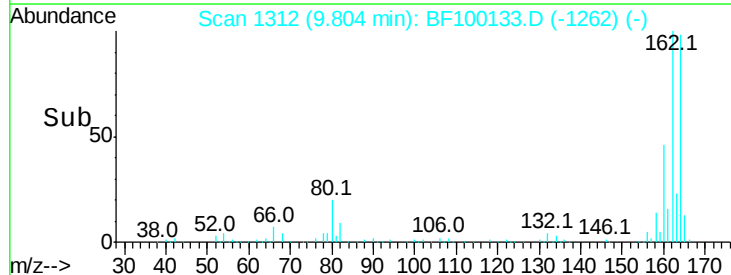
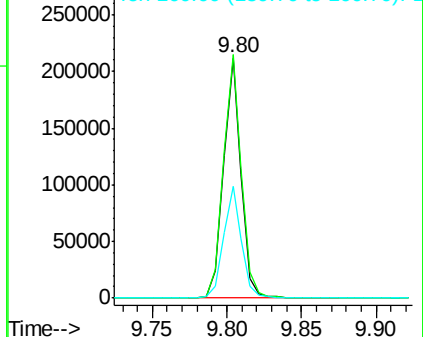
160 46.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

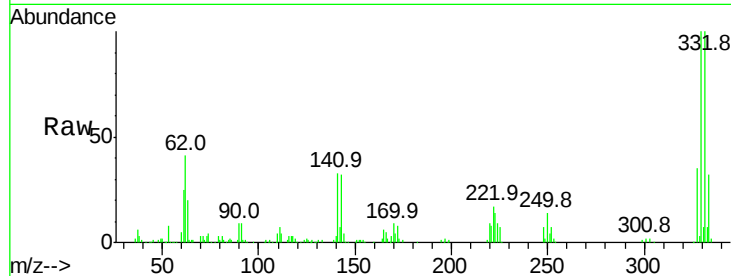




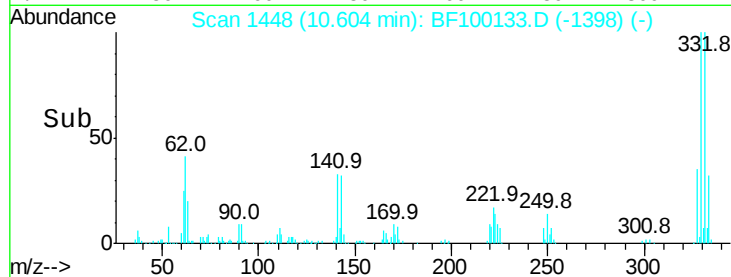
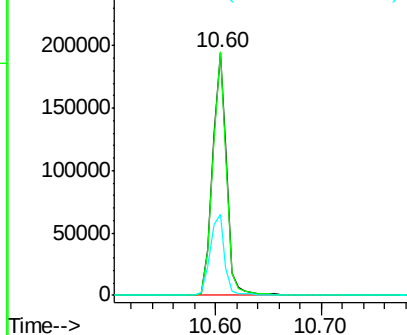
#41
 2,4,6-Tribromophenol
 Concen: 114.781 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100133.D
 Acq: 3 Nov 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 184227
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 34.0 29.9 44.9

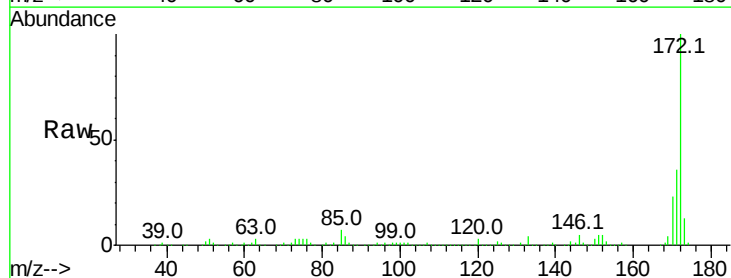


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

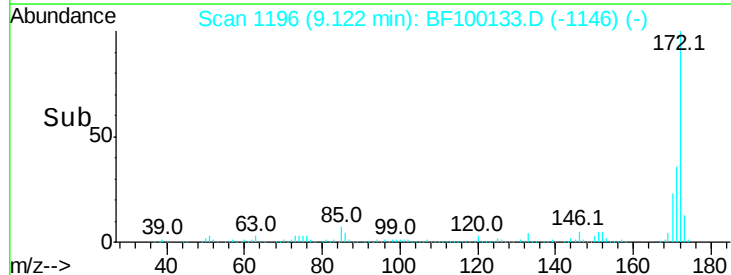
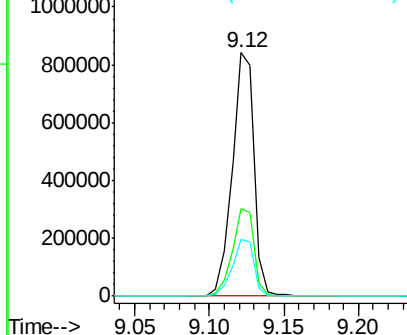


#44
 2-Fluorobiphenyl
 Concen: 76.069 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100133.D
 Acq: 3 Nov 2017 14:40

Tgt Ion:172 Resp: 868362
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.4 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.742 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

Instrument :

BNA_F

ClientSampled :

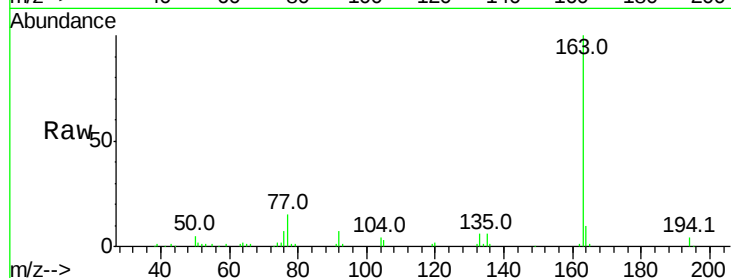
Tot Ion:163 Resp: 80082

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

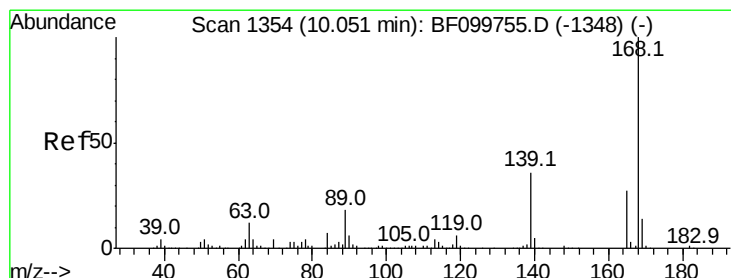
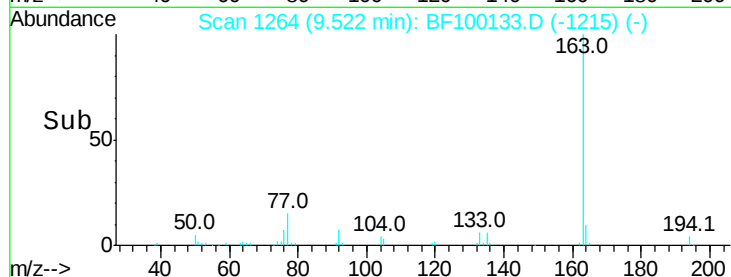
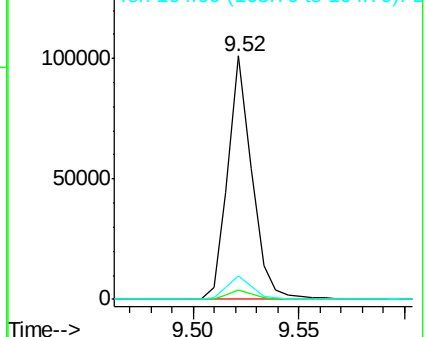
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.350 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.22 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

Tgt Ion:165 Resp: 22422

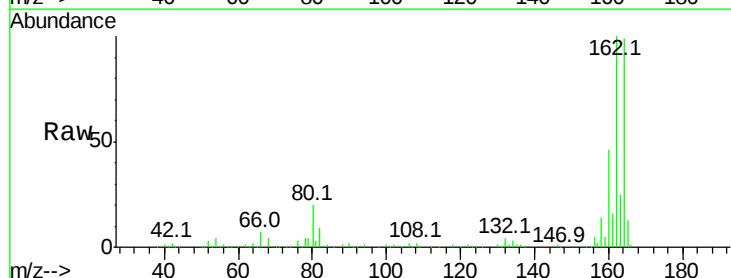
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

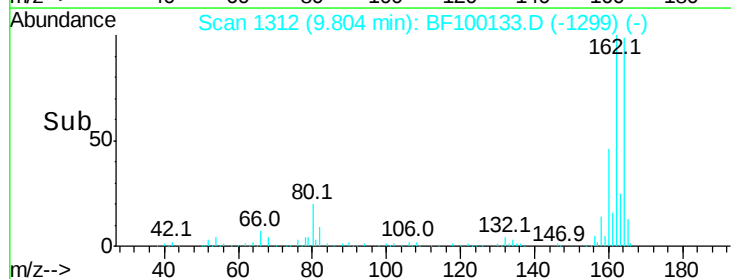
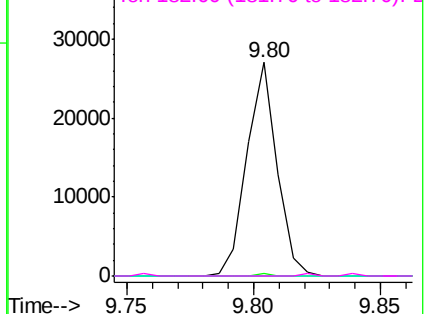


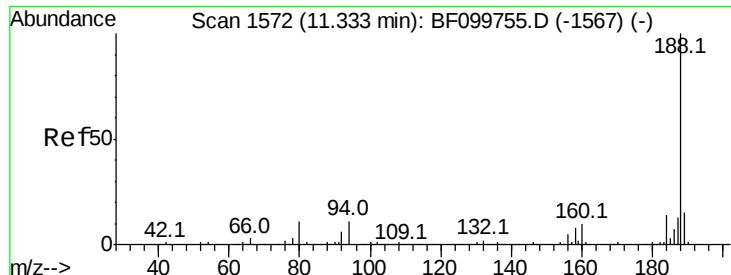
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

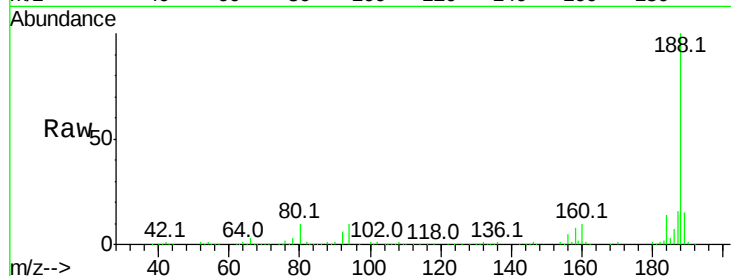




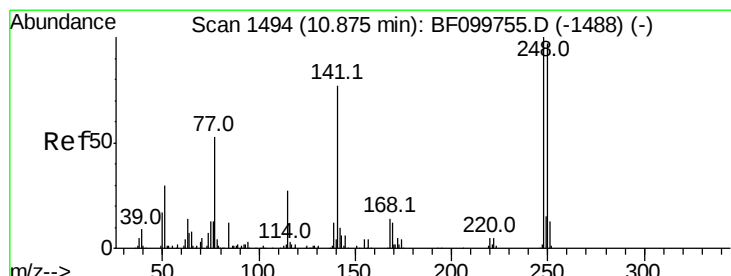
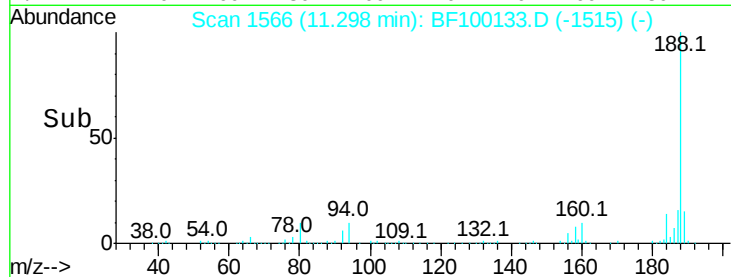
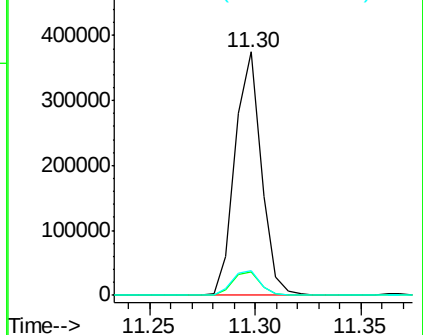
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.2	9.2	13.8

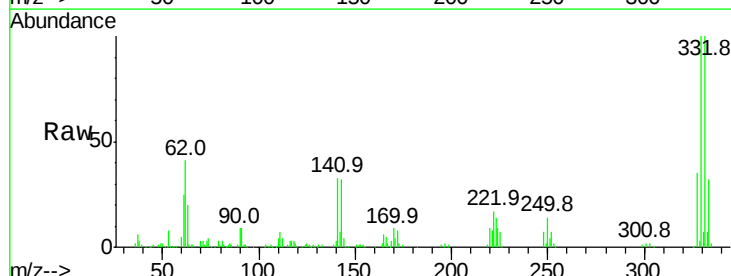


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

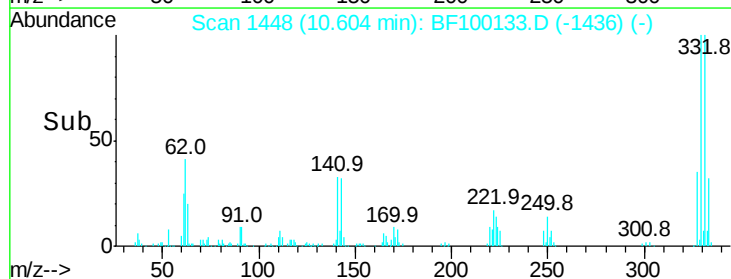
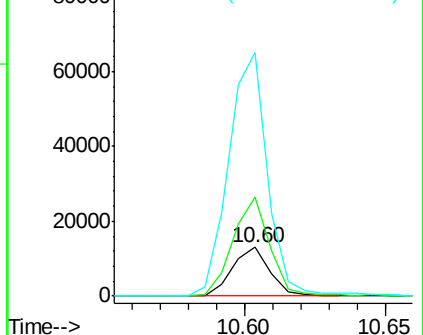


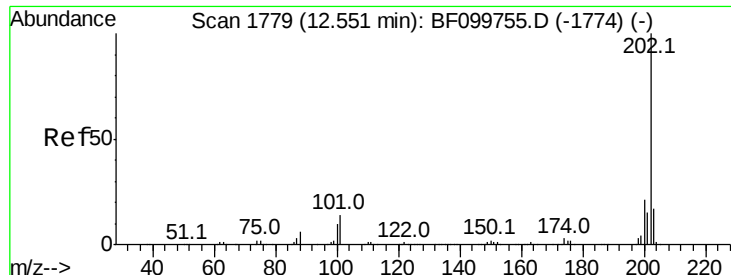
#66
4-Bromophenyl-phenylether
Concen: 3.524 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.23 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

Tgt Ion	Ratio	Lower	Upper
248	100		
250	203.7	76.9	115.3#
141	501.2	74.4	111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

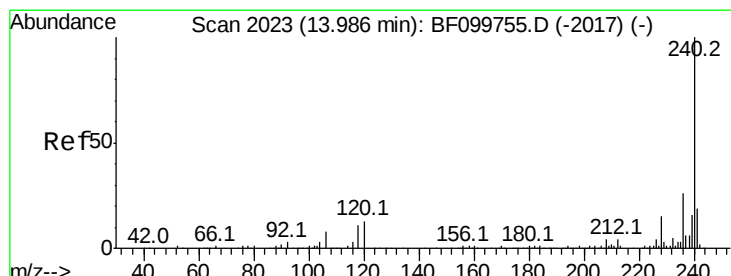
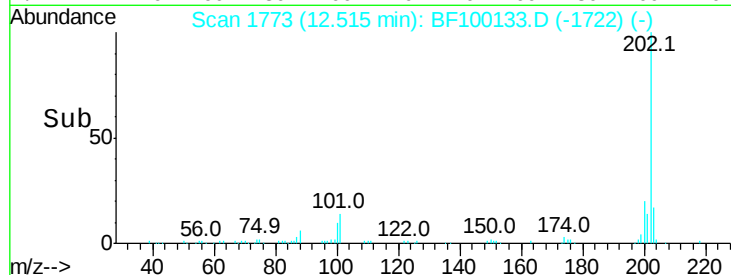
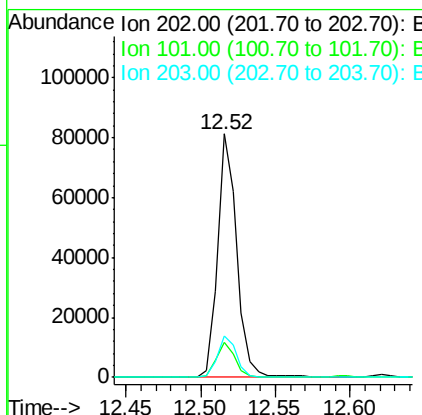
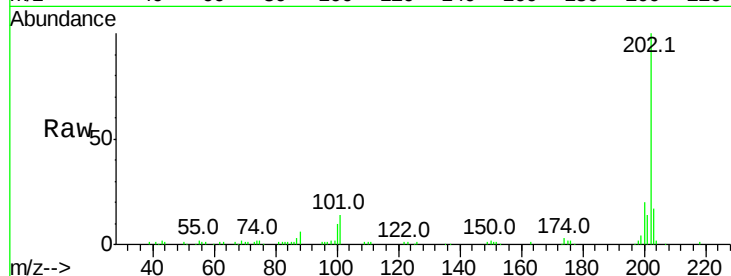




#74
 Fluoranthene
 Concen: 3.865 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: BF100133.D
 Acq: 3 Nov 2017 14:40

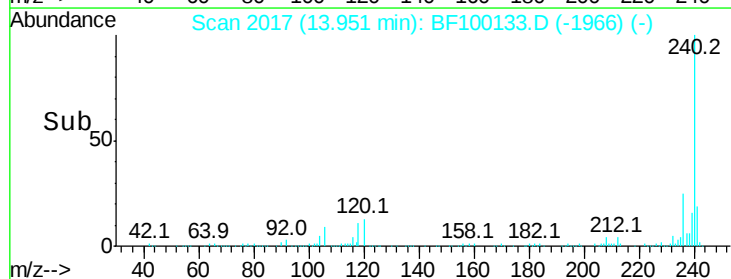
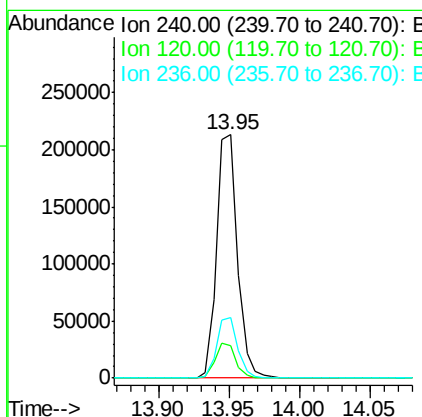
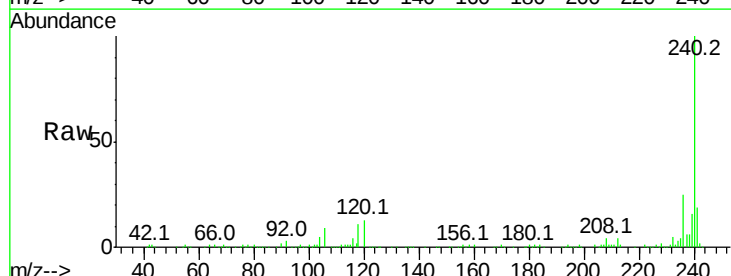
Instrument :
 BNA_F
 ClientSampleId :

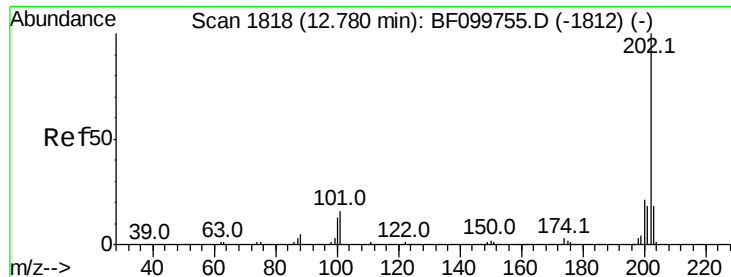
Tot Ion:202 Resp: 72763
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 34.1
 203 17.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF100133.D
 Acq: 3 Nov 2017 14:40

Tgt Ion:240 Resp: 218685
 Ion Ratio Lower Upper
 240 100
 120 13.2 9.5 14.3
 236 25.0 20.7 31.1

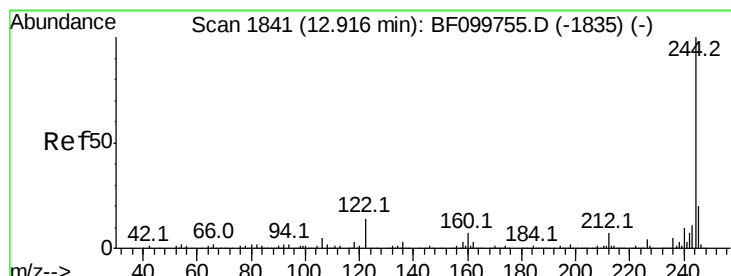
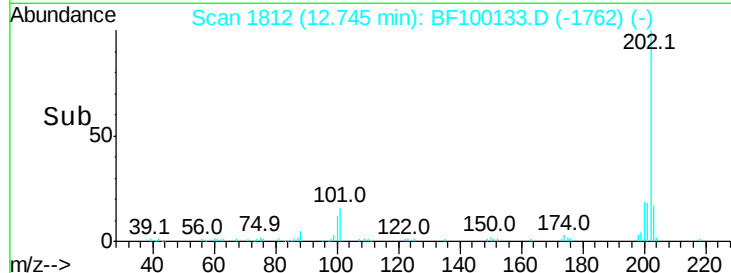
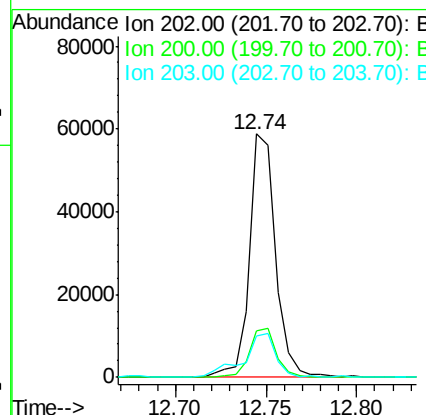
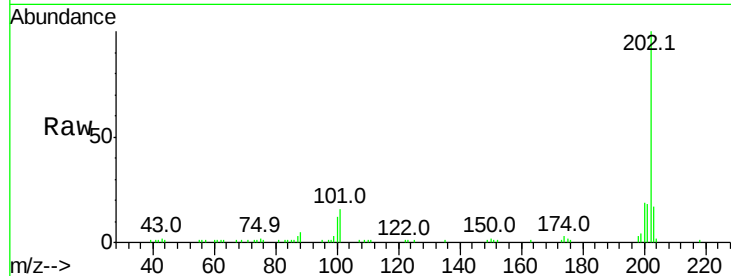




#77
 Pvrene
 Concen: 3.520 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF100133.D
 Acq: 3 Nov 2017 14:40

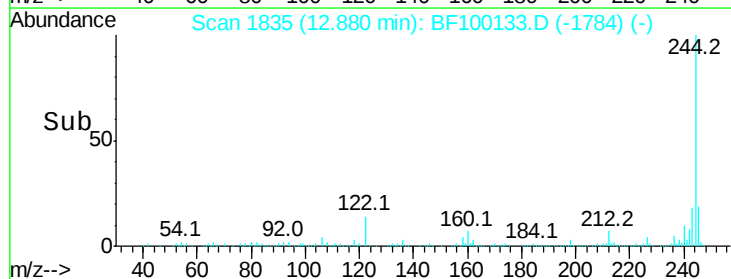
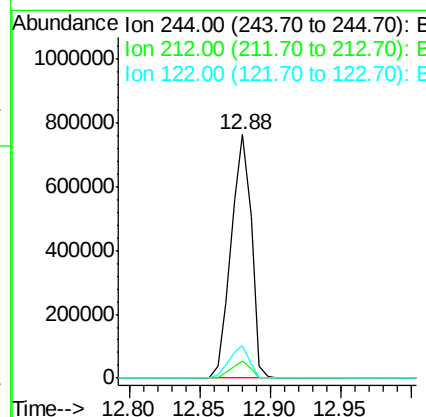
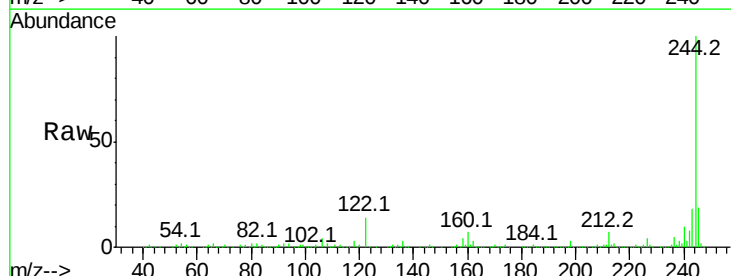
Instrument :
 BNA_F
 ClientSampleId :

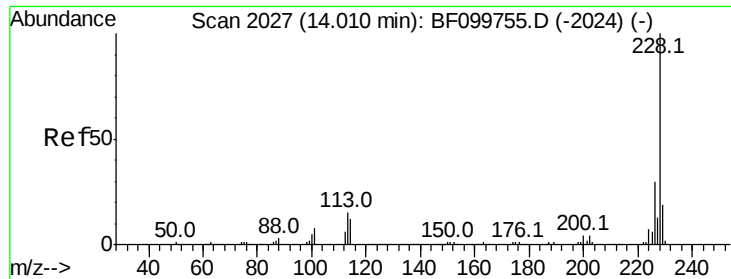
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.4	26.2
203	17.0	14.3	21.5



#78
 Terphenyl-d14
 Concen: 75.895 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BF100133.D
 Acq: 3 Nov 2017 14:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.5	11.0	16.4

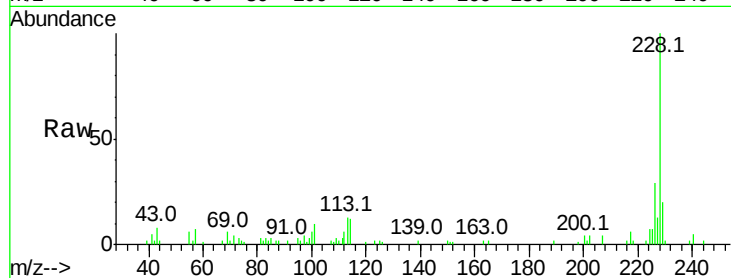




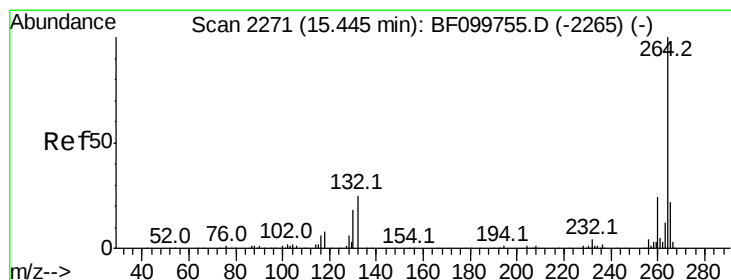
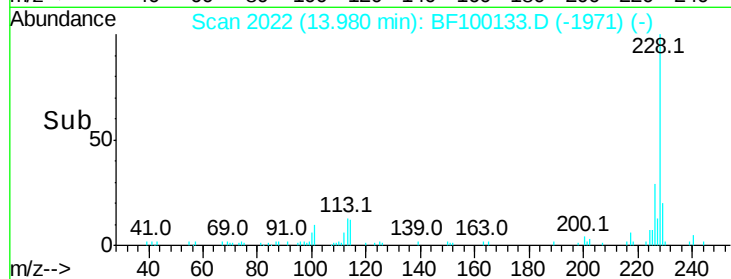
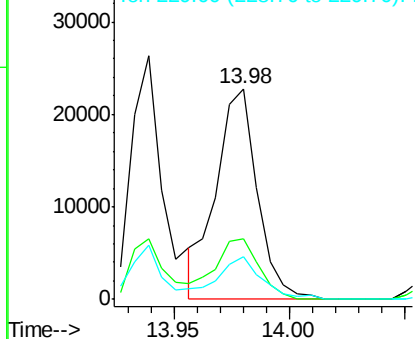
#82
Chrysene
Concen: 2.167 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 28244
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 20.2 16.2 24.4

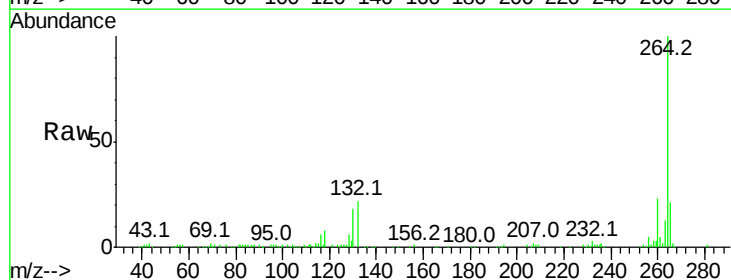


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

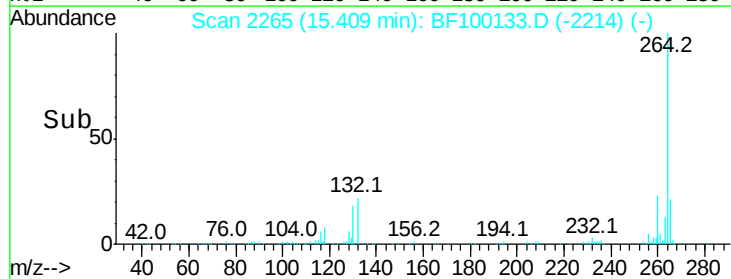
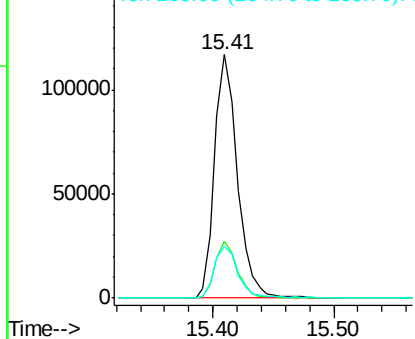


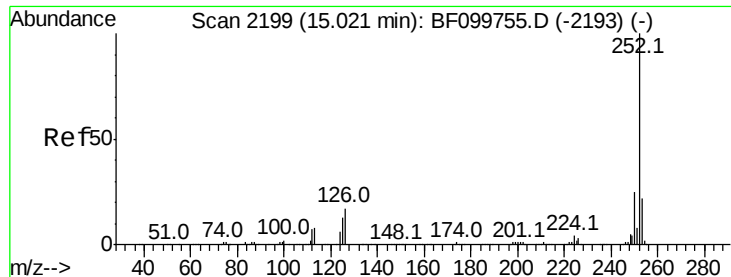
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BF100133.D
Acq: 3 Nov 2017 14:40

Tgt Ion:264 Resp: 152736
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.925 ng

RT: 15.00 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

Instrument :

BNA_F

ClientSampleId :

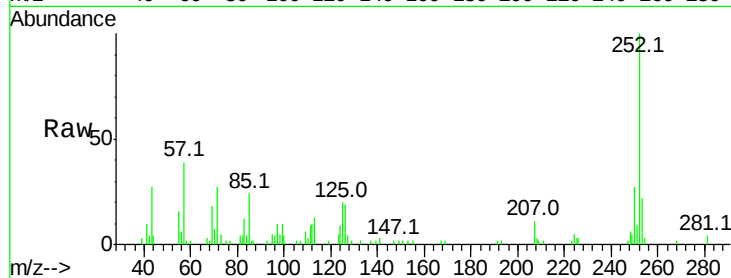
Tot Ion:252 Resp: 37858

Ion Ratio Lower Upper

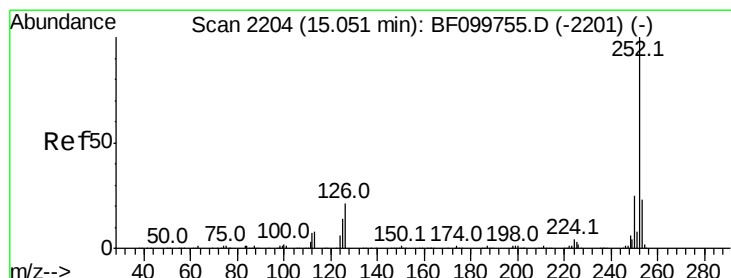
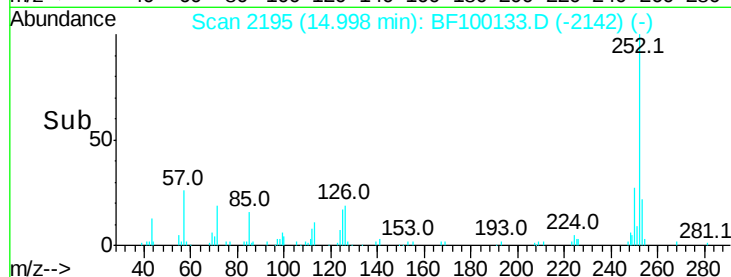
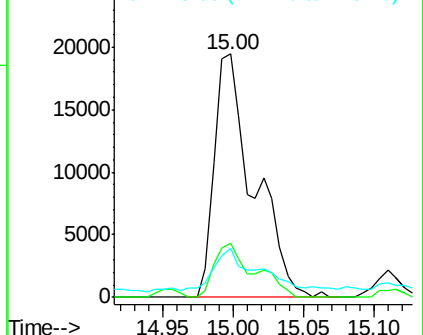
252 100

253 22.1 17.0 25.6

125 20.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.163 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BF100133.D

Acq: 3 Nov 2017 14:40

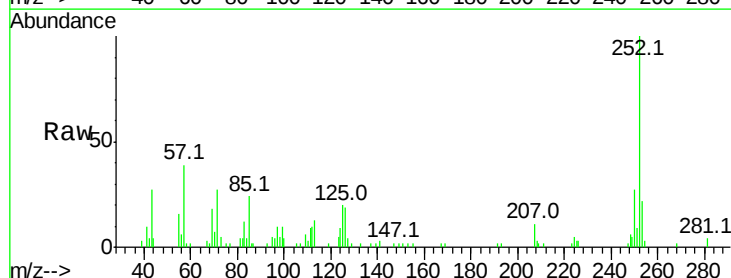
Tgt Ion:252 Resp: 37858

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 20.4 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

